

Figure 1

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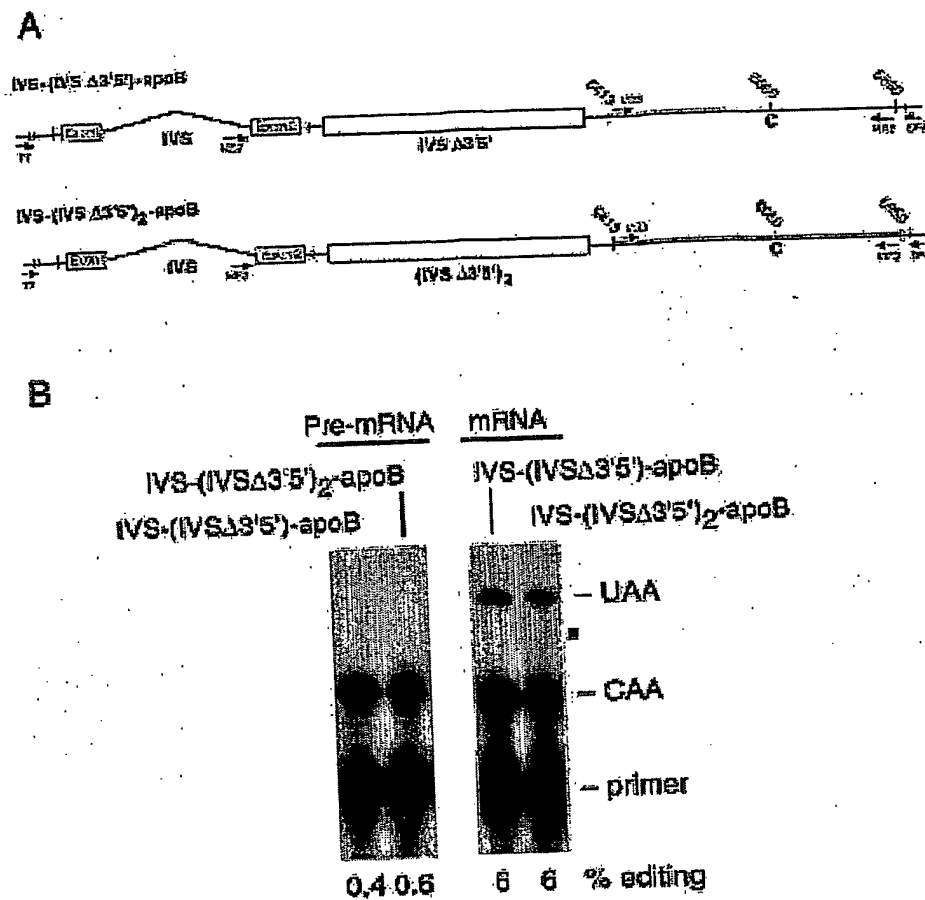


Figure 2

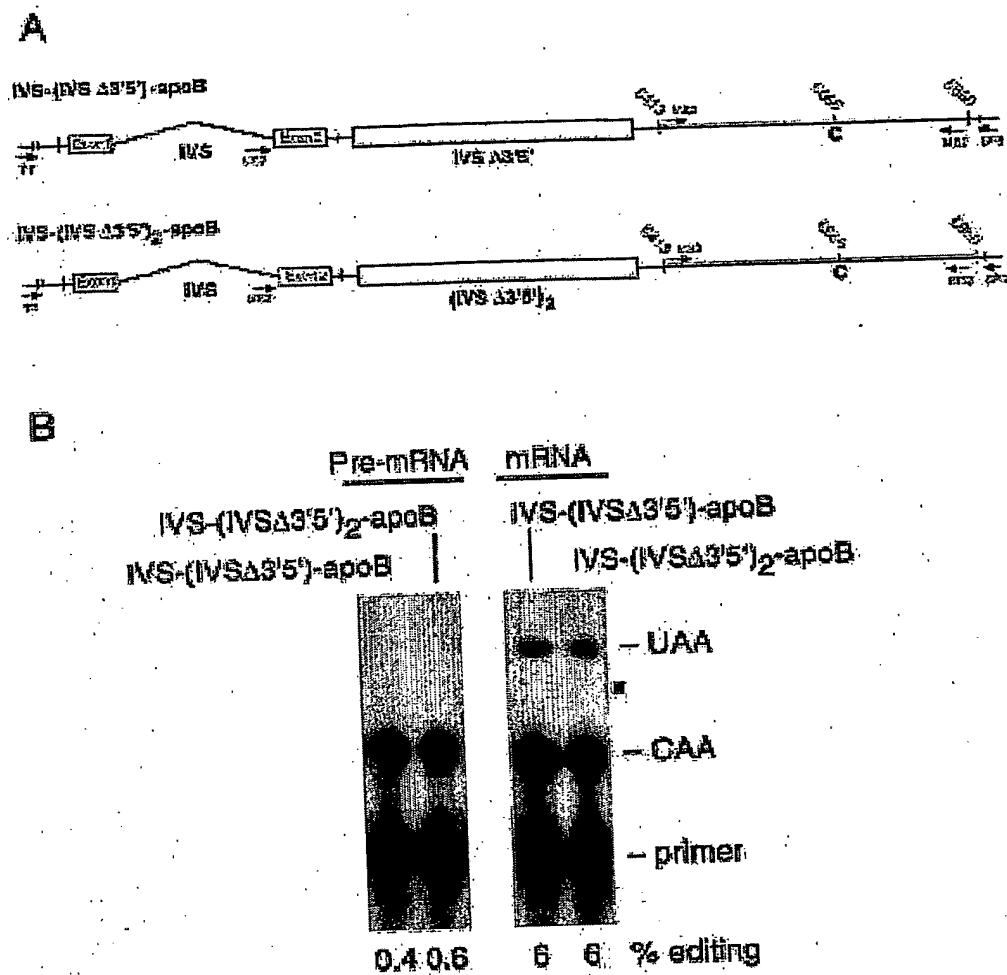


Figure 3

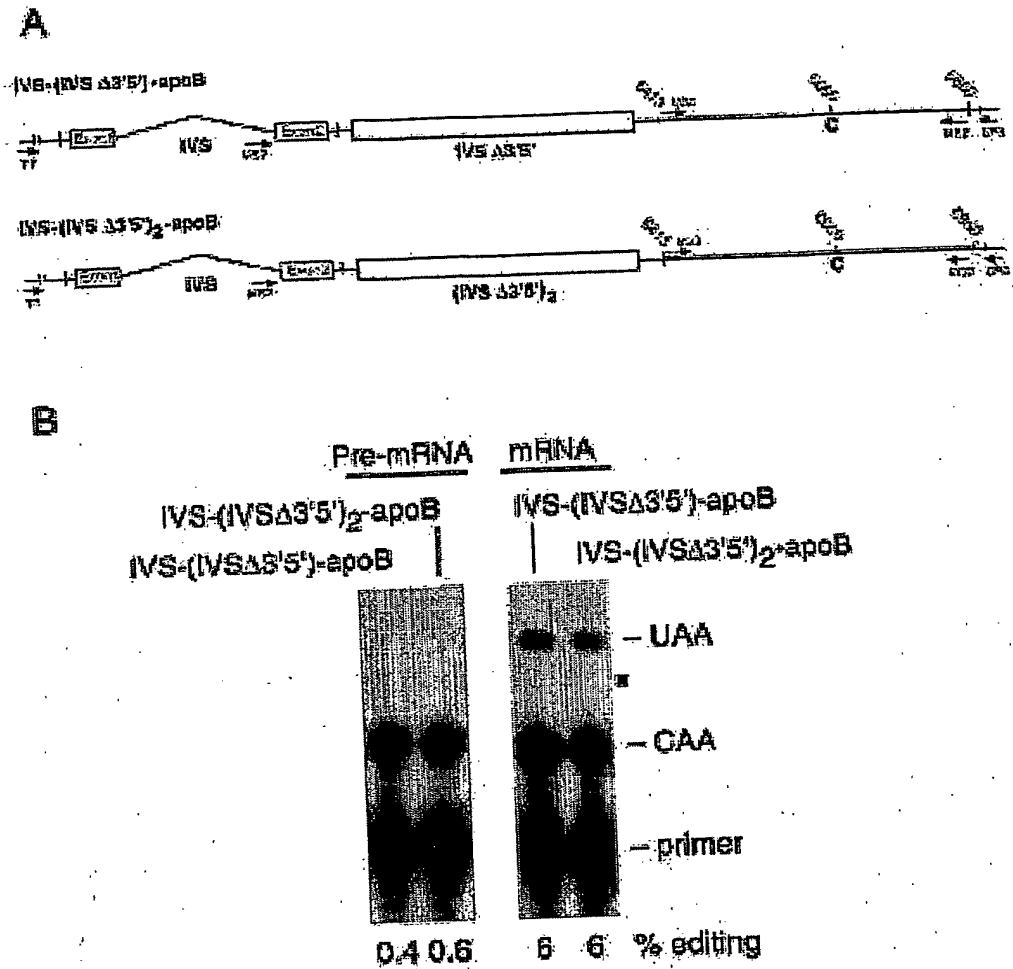
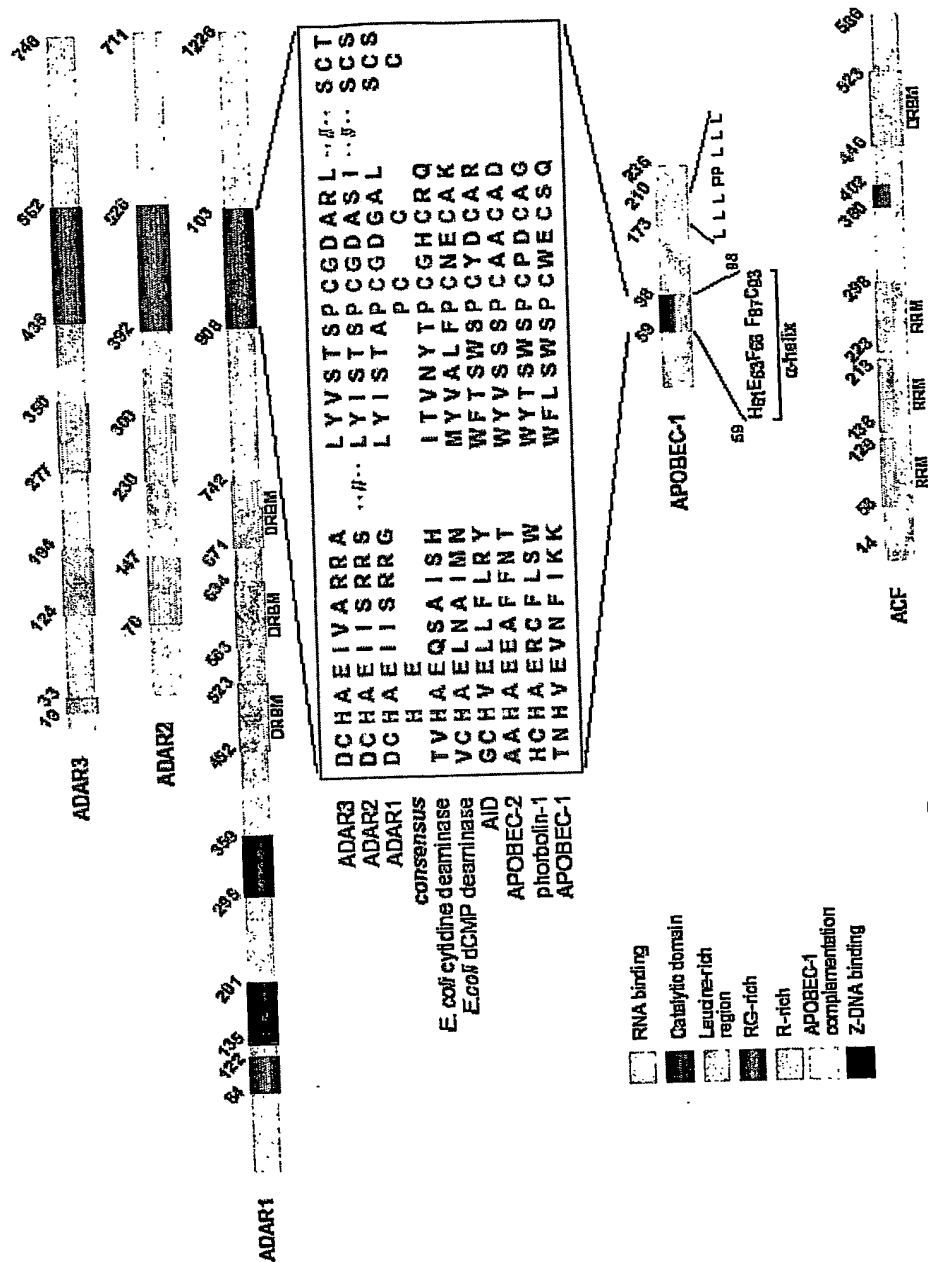


Figure 4



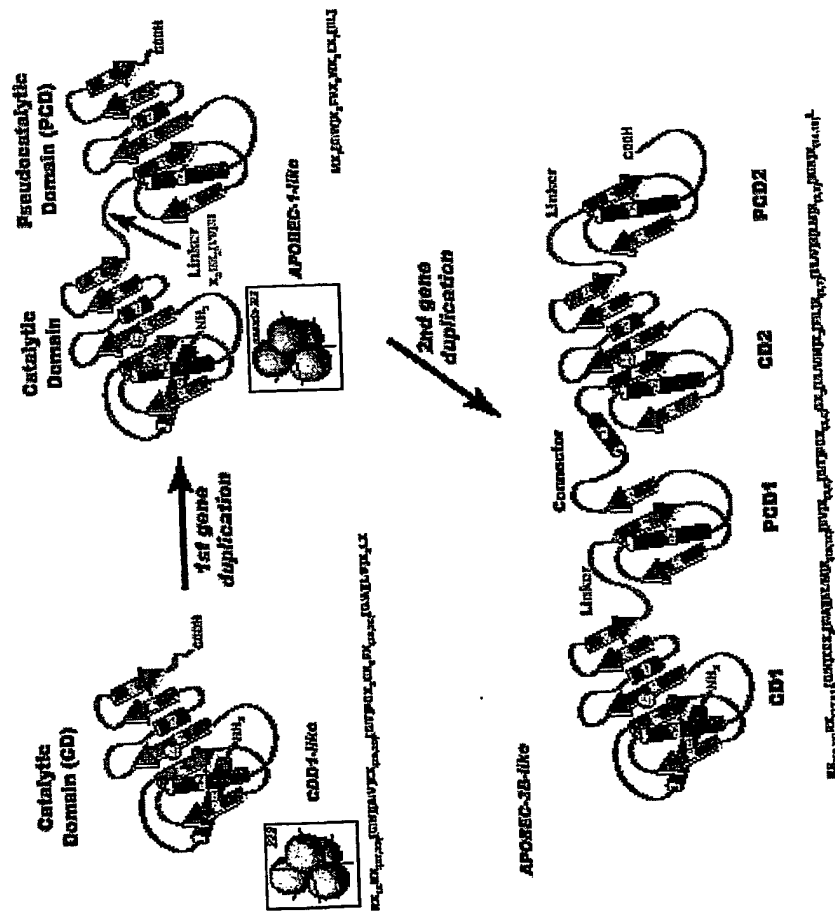
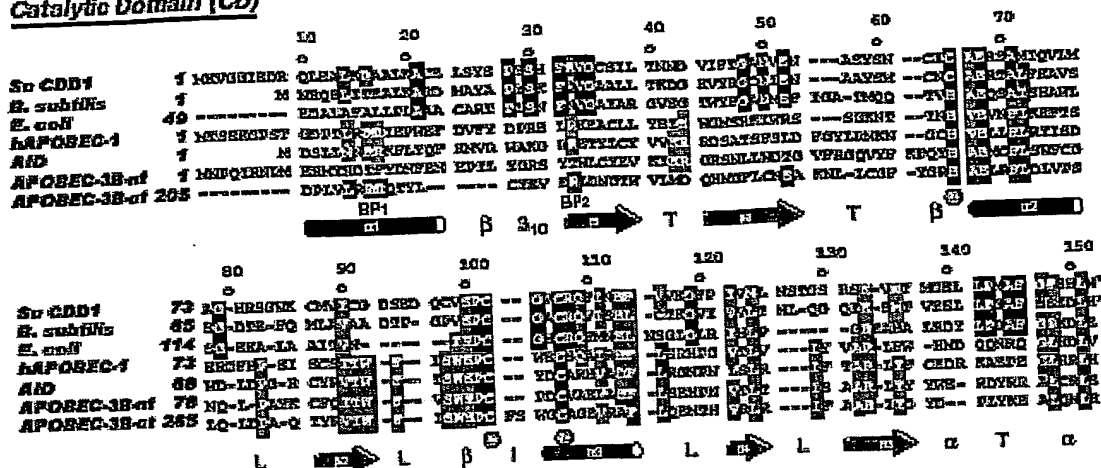


Figure 6a

**Catalytic Domain (CD)****Linker Polypeptide**

<i>E. coli</i>	172	•	IKGLILMSGCHNYALTS
<i>hAFOSEC-1</i>	138	•	IKGLILMSGCHNYALTS
<i>AID</i>	131	•	IKGLILMSGCHNYALTS
<i>AFOSEC-3B-nt</i>	140	•	IKGLILMSGCHNYALTS
<i>AFOSEC-3B-nt</i>	128	•	IKGLILMSGCHNYALTS

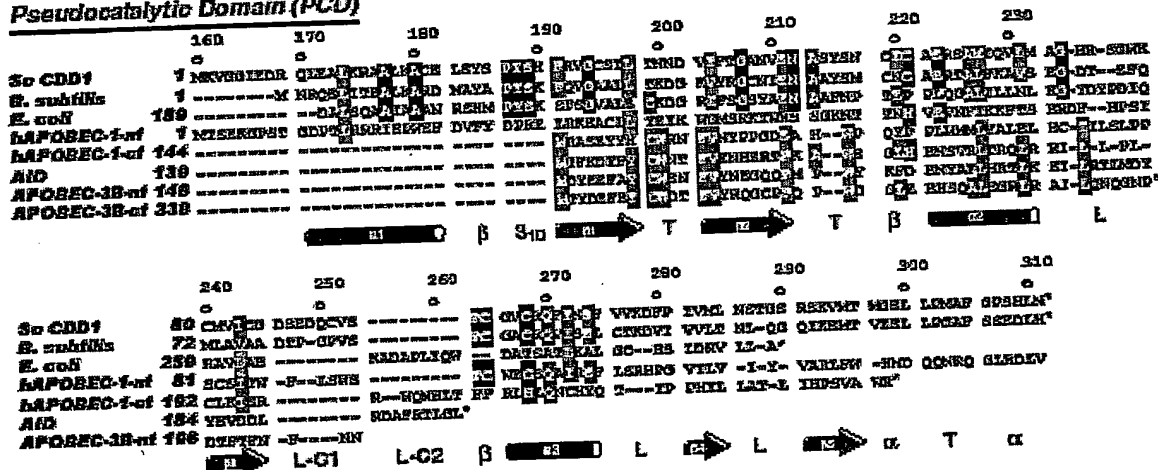
**Pseudocatalytic Domain (PCD)**

Figure 6b

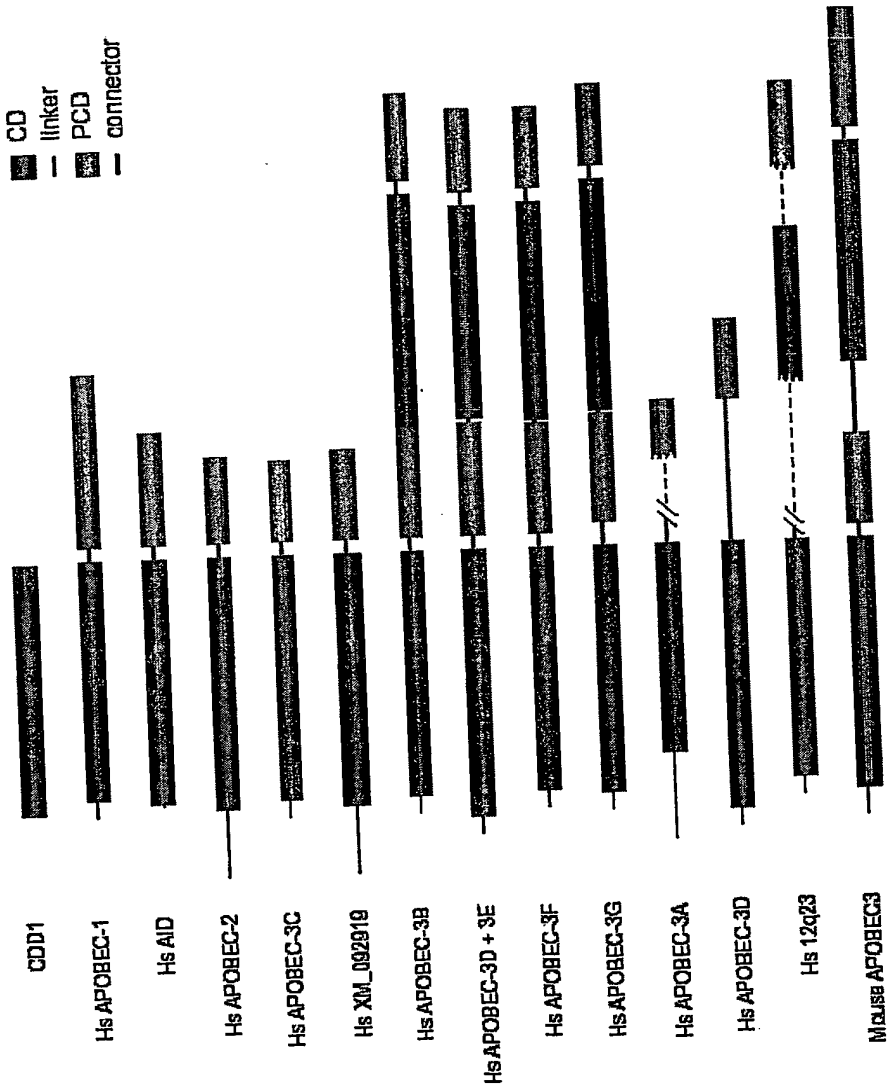


Figure 6c



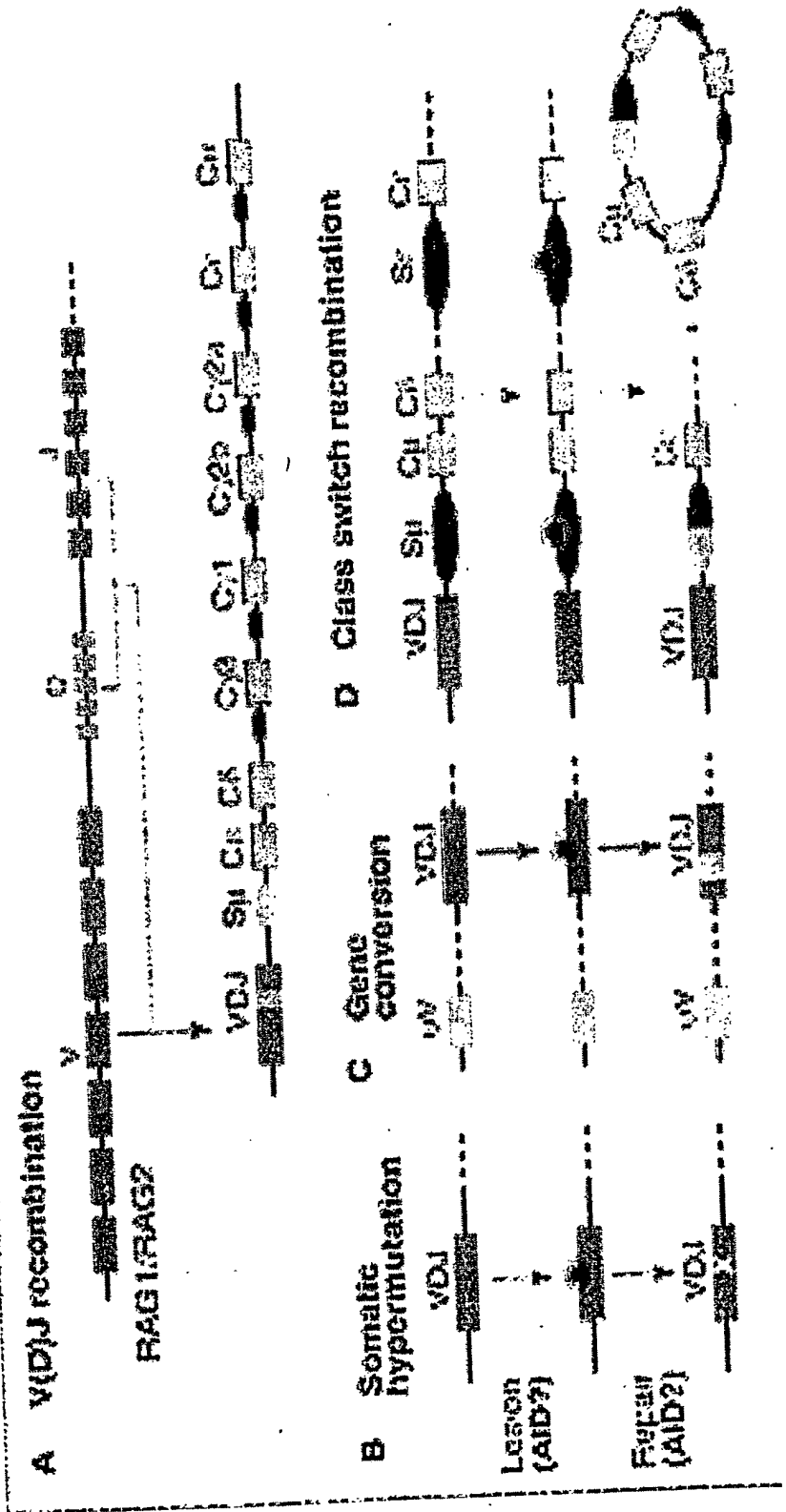


FIG. 7

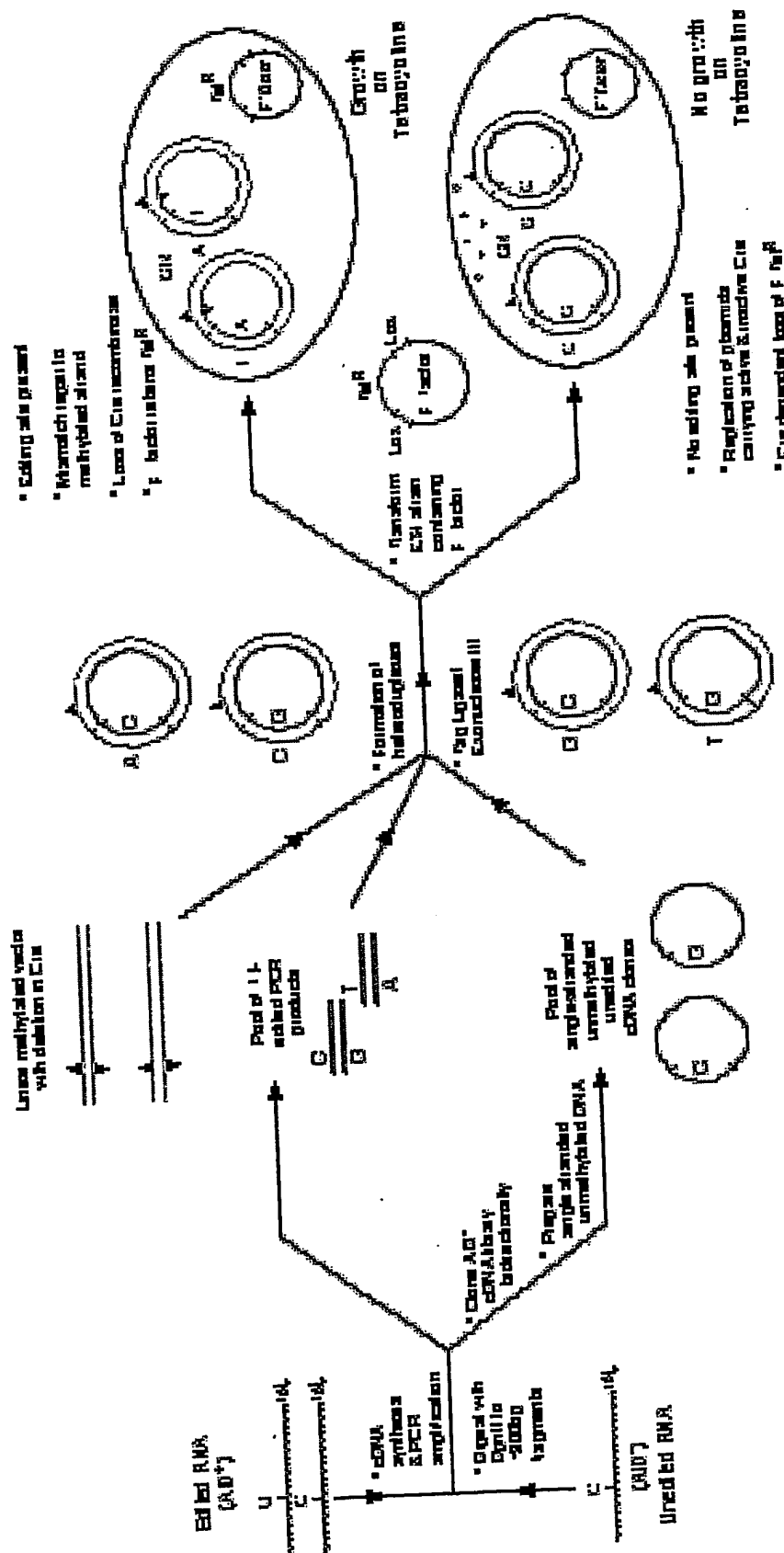


FIG. 8

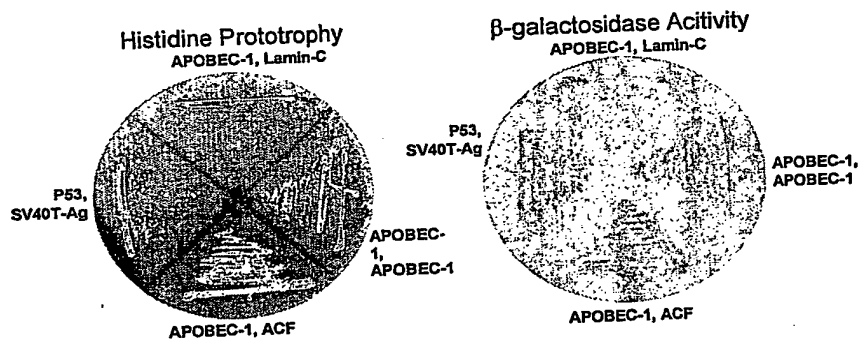


FIG. 9

## Homology Models of ARP Enzymes

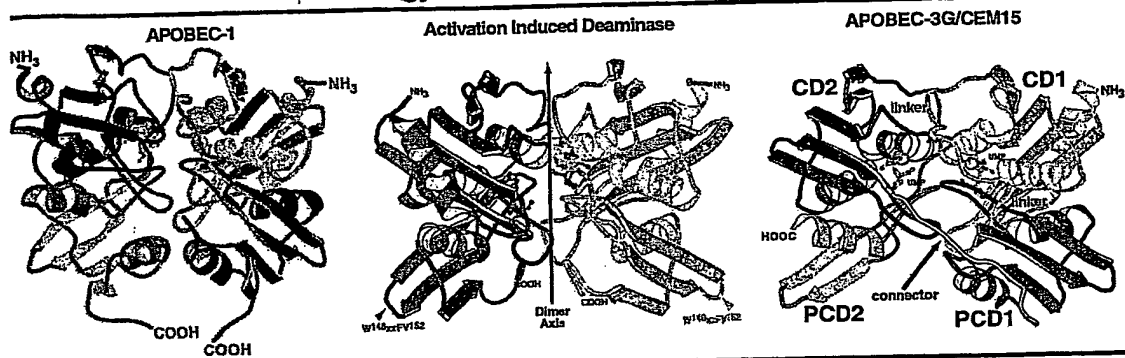


FIG. 10

**Poisoned Primer Extension Assays & Western  
Analysis for Cdd1 Mutants and Chimeric Proteins**

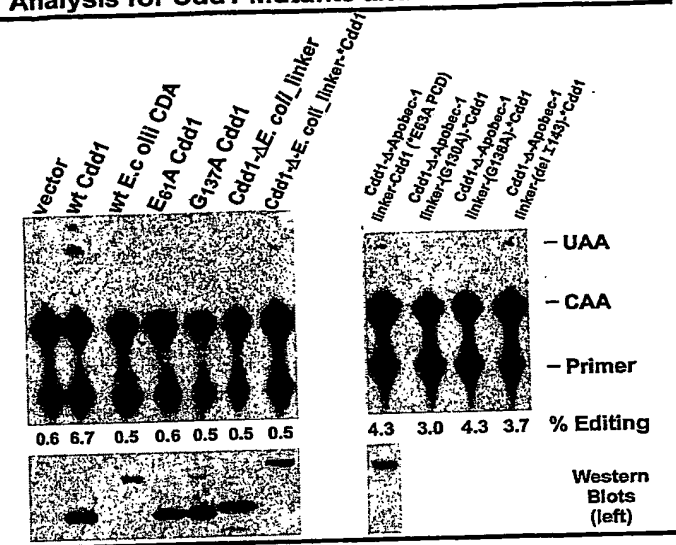


FIG. 11

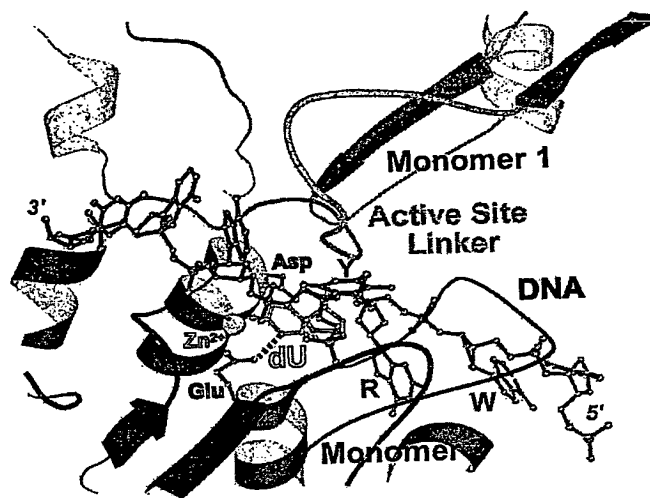


FIG. 12

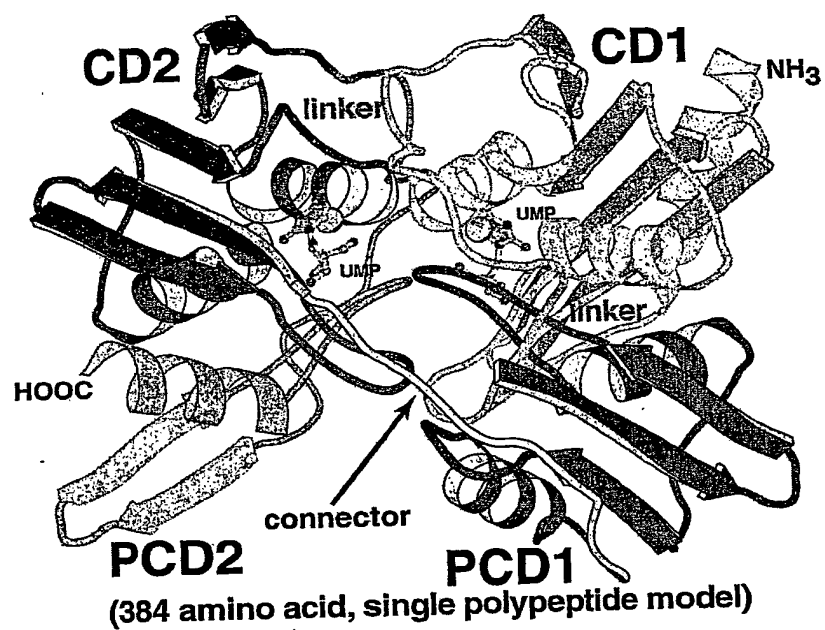


Fig. 13

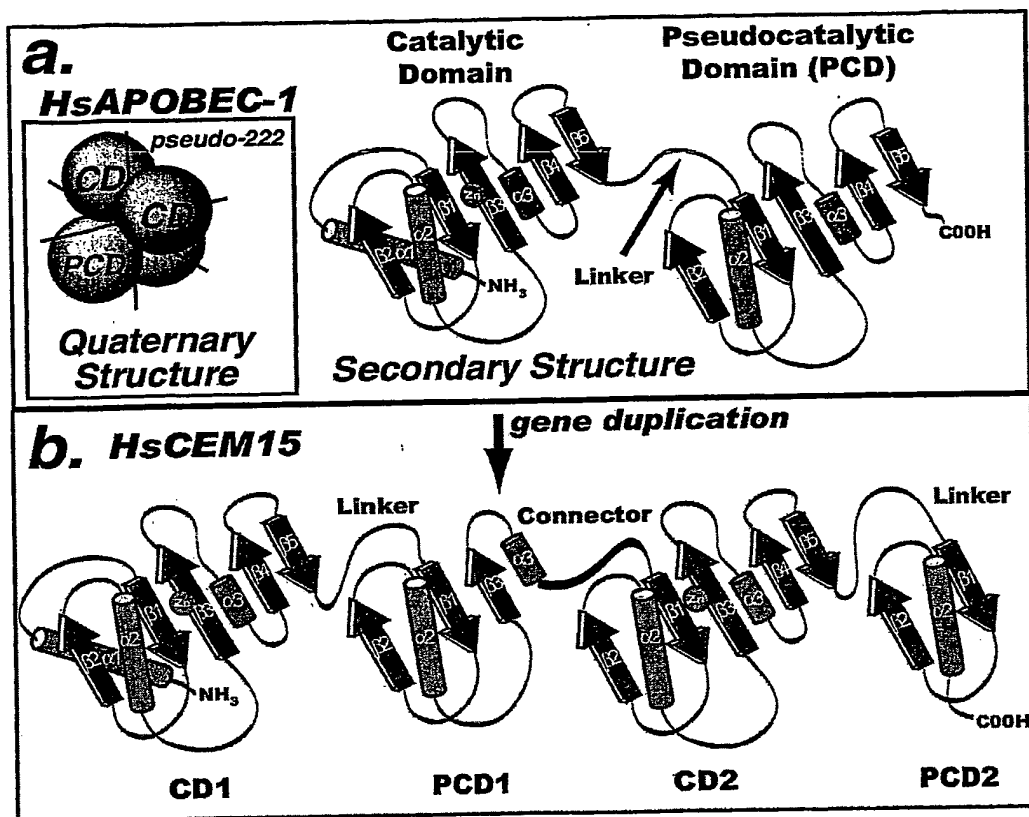


Fig. 14



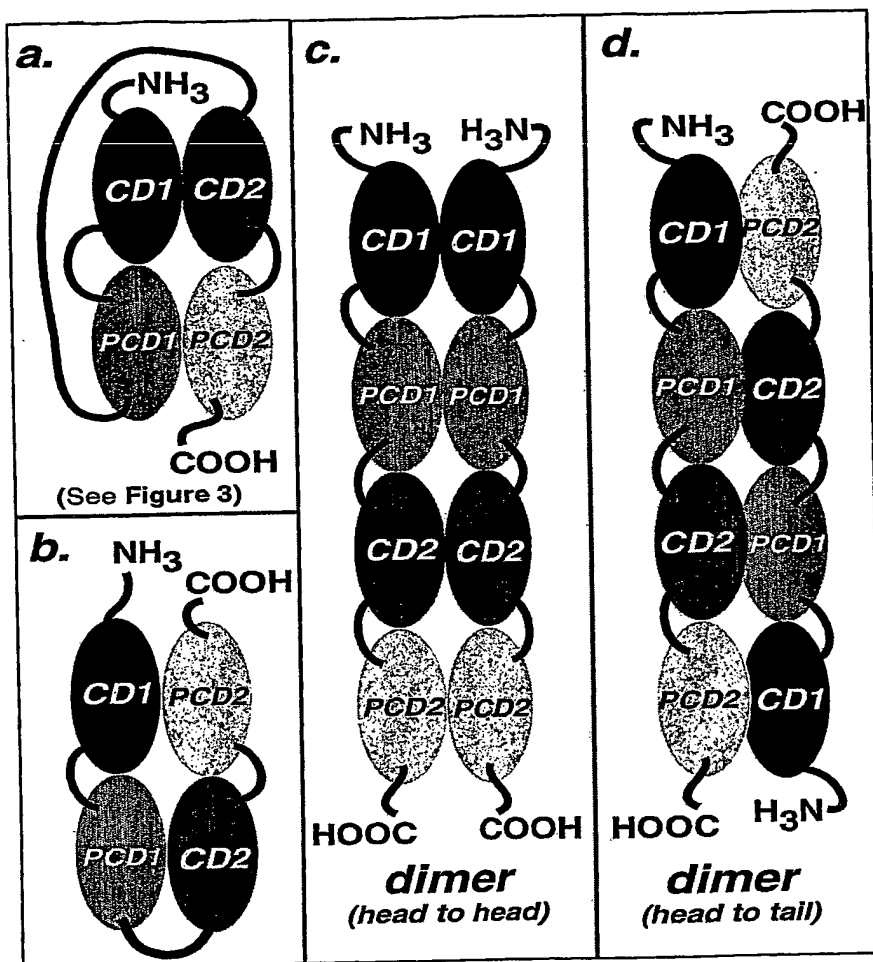


Fig. 15

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